Muhammad Ibn Ibrahimy

List of Publications by Year
in descending order

80 papers	826 citations	1163117 8 h-index	677142 22 g-index
80 all docs	80 docs citations	80 times ranked	814 citing authors

#	Article	IF	Citations
1	Detection and Processing Techniques of FECG Signal for Fetal Monitoring. Biological Procedures Online, 2009, 11, 263-95.	2.9	112
2	Electromyography (EMG) signal based hand gesture recognition using artificial neural network (ANN). , 2011, , .		103
3	Electromyography signal analysis using wavelet transform and higher order statistics to determine muscle contraction. Expert Systems, 2009, 26, 35-48.	4.5	89
4	Real-time signal processing for fetal heart rate monitoring. IEEE Transactions on Biomedical Engineering, 2003, 50, 258-262.	4.2	81
5	Design and Optimization of Levenberg-Marquardt based Neural Network Classifier for EMG Signals to Identify Hand Motions. Measurement Science Review, 2013, 13, 142-151.	1.0	44
6	Advances in Electromyogram Signal Classification to Improve the Quality of Life for the Disabled and Aged People. Journal of Computer Science, 2010, 6, 706-715.	0.6	39
7	Hand motion detection from EMG signals by using ANN based classifier for human computer interaction. , 2011, , .		25
8	Neural Network Classifier for Hand Motion Detection from EMG Signal. IFMBE Proceedings, 2011, , 536-541.	0.3	21
9	The Use of Artificial Neural Network in the Classification of EMG Signals. , 2012, , .		18
10	Classification of Multichannel EEG Signal by Linear Discriminant Analysis. Advances in Intelligent Systems and Computing, 2015, , 279-282.	0.6	18
11	Techniques of FECG signal analysis: detection and processing for fetal monitoring. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	17
12	Partial Encryption of Compressed Images Employing FPGA. , 0, , .		16
13	Feature Extraction of EEG Signal by Power Spectral Density for Motor Imagery Based BCI. , 2021, , .		15
14	Design of a Switching Mode Three Phase Inverter. , 2016, , .		14
15	Electrical cell-substrate impedance sensing (ECIS) based biosensor for characterization of DF-1 cells. , 2010, , .		13
16	A portable recorder for long-term fetal heart rate monitoring. Microprocessors and Microsystems, 2002, 26, 325-330.	2.8	9
17	Fetal electrocardiogram extraction and R-peak detection for fetal heart rate monitoring using artificial neural network and Correlation. , 2011, , .		9
18	EMG motion pattern classification through design and optimization of Neural Network. , 2012, , .		9

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19	VHDL modeling of FECG extraction from the composite abdominal ECG using Atificial Intelligence. , 2009, , .		8
20	A planar wideband inductively coupled feed patch antenna for UHF RFID tag. , 2013, , .		8
21	Edge detection techniques for iris recognition system. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012041.	0.6	8
22	Zero skew clock routing for fast clock tree generation. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	7
23	A Series Regeneration Converter Technique for Voltage Balancing of Energy Storage Devices. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 475.	0.8	7
24	An Efficient Method for Fetal Electrocardiogram Extraction from the Abdominal Electrocardiogram Signal. Journal of Computer Science, 2009, 5, 619-623.	0.6	7
25	Development of a position detection technique for UWB chipless RFID tagged object. , 2013, , .		6
26	A SINGLE LC TANK BASED ACTIVE VOLTAGE BALANCING CIRCUIT FOR BATTERY MANAGEMENT SYSTEM. IIUM Engineering Journal, 2018, 19, 158-167.	0.8	6
27	Design and Characterization of a New Three-Stage Quadruple Pass EDFA. Journal of Applied Sciences, 2012, 12, 2071-2076.	0.3	6
28	Microstrip Spiral Resonator for the UWB Chipless RFID Tag. Advances in Intelligent Systems and Computing, 2015, , 355-358.	0.6	6
29	A Compact Wideband Patch Antenna for Ultra High Frequency RFID Tag. Automatika, 2015, 56, 76-83.	2.0	5
30	Design of a Wideband Inductively Coupled Loop Feed Patch Antenna for UHF RFID Tag. Radioengineering, 2015, 24, 38-44.	0.6	5
31	Low Noise Inverter for Poly Phase Microgrid System. , 2016, , .		5
32	Design and Simulation of RF-CMOS Spiral Inductors for ISM Band RFID Reader Circuits. , 2009, , .		4
33	Optimization of neural network for efficient EMG signal classification. , 2012, , .		4
34	Comparative data compression techniques and multi-compression results. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012081.	0.6	4
35	Spiral Resonator for Ultra Wide Band Chipless RFID Tag. , 2014, , .		4
36	Design and Analysis of a Buck-Boost Converter Circuit for Piezoelectric Energy Harvesting System. , 2016, , .		4

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37	Reduction of phase noise for inductor based ultra-wide band voltage controlled oscillator. , 2017, , .		4
38	A Compact Bandpass Filter Using Microstrip Hairpin Resonator for WLAN Applications. , 2018, , .		4
39	Plans for Planar: Phase-Noise Reduction Techniques in Voltage-Controlled Oscillators. IEEE Microwave Magazine, 2019, 20, 92-108.	0.8	4
40	Development of power control module in RFID reader circuit: A Mentor Graphic simulation approach. , 2008, , .		3
41	Design of a 5GHz phase-locked loop. , 2011, , .		3
42	An Emergency Medical Care Network System for Fetal ECG Monitoring. , 2011, , .		3
43	Design of a planar wideband patch antenna for UHF RFID tag. Microwave and Optical Technology Letters, 2014, 56, 1579-1584.	1.4	3
44	Phase Synchronous Inverter for Microgrid System. , 2016, , .		3
45	VHDL Modeling of EMG Signal Classification using Artificial Neural Network. Journal of Applied Sciences, 2012, 12, 244-253.	0.3	3
46	EEG signal analysis and characterization for the aid of disabled people. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	3
47	VHDL Modelling of Fixed-point DWT for the Purpose of EMG Signal Denoising. , 2011, , .		2
48	A step towards the development of VHDL model for ANN based EMG signal classifier. , 2012, , .		2
49	Characterization of triple pass Erbium-doped Fiber Amplifiers. , 2012, , .		2
50	A planar wideband microstrip patch antenna for UHF RFID tag. , 2013, , .		2
51	Photoplethysmography based remote health monitoring system. , 2013, , .		2
52	Integrated Si Lens Antenna with Planar Log Spiral Feed for THz Band. , 2014, , .		2
53	Two Dimensional Array Based Overlay Network for Reducing Delay of Peer-to-Peer Live Video Streaming. , 2014, , .		2
54	Three Phase Three Layer Phase Synchronous Inverter for Microgrid System. , 2014, , .		2

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55	Parameter Optimization for Piezoelectric Micro-energy Harvesting System. , 2014, , .		2
56	Simulation and modeling of high voltage DC to AC PWM inverter for electrostatic generator. MATEC Web of Conferences, 2018, 189, 11010.	0.2	2
57	MICROSTRIP COUPLED LINE BANDPASS FILTER WITH RADIAL STUBS FOR NARROW-BAND APPLICATIONS. International Journal of GEOMATE, 2017, 13, .	0.3	2
58	The Advent of Industry Fit RFID Readers. , 2008, , .		1
59	CMOS 2.45GHz RF power amplifier for RFID reader. , 2009, , .		1
60	A computer based simulator for Erbium-Doped Fiber Amplifier. , 2010, , .		1
61	Design and simulation of a lumped element metal finger capacitor for RF-CMOS power splitters. , 2010, , .		1
62	Modeling and characterization of a new three-stage quadruple pass EDFA. , 2012, , .		1
63	Development of VHDL model for fixed-point Discrete Wavelet Transform. , 2012, , .		1
64	Performance analysis of different techniques for Brain Computer Interfacing. , 2013, , .		1
65	Development of a Web-based financial application System. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012080.	0.6	1
66	Two Dimensional Array Based Overlay Network for Balancing Load of Peer-to-Peer Live Video Streaming. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012065.	0.6	1
67	Template Matching Techniques for Iris Recognition System. , 2014, , .		1
68	Classification of Multichannel EEG Signal by Single Layer Perceptron Learning Algorithm. , 2014, , .		1
69	Detection of data from the UWB microstrip resonator type RFID tag. , 2015, , .		1
70	Design and simulation of a low noise PWM based phase synchronous inverter for microgrid. , 2017, , .		1
71	LINEAR MICROSTRIP RESONATOR FOR UWB RFID TAG. International Journal of GEOMATE, 2017, 13, .	0.3	1
72	An Enhanced Zero Crossing Based HVAC Phase Synchronous Inverter for Electrostatic Generator in Microgrid Systems. Indonesian Journal of Electrical Engineering and Informatics, 2017, 5, .	0.3	1

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73	Tissue characterization of local myocardium using phase frequency spectrum of ultrasonic RF signal. , 0, , .		0
74	HARDWARE MODELING OF BINARY CODED DECIMAL ADDER IN FIELD PROGRAMMABLE GATE ARRAY. American Journal of Applied Sciences, 2013, 10, 466-477.	0.2	0
75	Tag for UWB chipless RFID: A single antenna approach. , 2015, , .		0
76	Design and development of wideband patch antenna for UHF RFID metal mountable tag. International Journal of Electronics Letters, 2017, 5, 82-98.	1.2	0
77	A PWM Controller of a Full Bridge Single-Phase Synchronous Inverter for Micro-Grid System. Journal of Physics: Conference Series, 2017, 949, 012020.	0.4	0
78	Encryption in TECB Mode: Modeling, Simulation and Synthesis. Communications in Computer and Information Science, 2007, , 205-215.	0.5	0
79	Fast Clock Tree Generation Using Exact Zero Skew Clock Routing Algorithm. Journal of Applied Sciences, 2009, 9, 2150-2155.	0.3	0
80	PLL-BASED 3? INVERTER CIRCUIT FOR MICROGRID SYSTEM OPERATED BY ELECTROSTATIC GENERATOR. IIUM Engineering Journal, 2019, 20, 177-193.	0.8	0